

From ab4el.com Tue Aug 30 00:00:00 1994
From: "Bob Scott" <Bob_Scott@cpqm.saic.com>
Subject: HW-8 For sale

Found this on AOL. Please respond to the originator. If memory serves his email address would be JohnT38998@AOL.COM. If this is wrong, someone please correct me.

>Subj: HEATH HW-8 QRP STATION FOR SALE 94-08-27 21:11:54 EDT
>From: JohnT38998

Hello, I have an entire Heathkit HW-8 QRP amateur station for sale.

HW-8 QRP Transceiver, 2.5 watts out 80-15 CW
HWA-7-1 AC Power Supply
HM-9 QRP Wattmeter, 0-5W, 0-50W
HFT-9A QRP Antenna Tuner
DC Battery Power Cable
Original Manuals for All

Condition is excellent, Rig is factory aligned by Heathkit.
Price is \$175.00, I can ship anywhere via UPS.
If interested, please E-mail via AOL or call to
602 926-6478 in Mesa, AZ 73 de John KG7RS...

From ab4el.com Tue Aug 30 00:00:00 1994
From: rdkeys@csemail.cropsci.ncsu.edu (R. D. Keys)
Subject: Re: more on tuning the tuner

>
>
> Along the lines of what's just been posted, I just read in one of my
> older books that when adjusting C in your tuner you will (of course)
> see two peaks in the power output; the author went on to say choose
> the peak in which the capacitor is most fully meshed, for this will
> be the true output freq, not the harmonic that you're tuning to.

This is because some tuner designs (or in reality most) can, if sufficient capacitance is present tune to two bands easily (e.g., 80 meters and 40 meters). This means that if one does not understand what his tuner is doing, and how to properly tune it, it is quite possible that the second harmonic may be tuned rather than the fundamental. On modern rigs with bandpass filtering that is not much of a problem. On older rigs with PI-networks or standard tuned plate tanks coupled with links

or other coupling means, you can easily tune the second harmonic which may be way out of band.

>
> To tell you the truth, I've never bothered to look at which peak
> provided the fullest mesh. I know that one peak sounds
> good on my rcvr and the other sounds rotten - so I choose the
> better sounding one.

Recommendation for tuning --- always start at full mesh for any capacitors and tune up any coils first with full capacitor mesh, THEN fine tune with the variables up in frequency or up in coupling from full mesh. The only exceptions from this may be when you are on 20/15/10 meters and full mesh is way too much capacitance in some tuner designs. Then you need to judge how much capacitance is appropriate to start with, accordingly.

>
> Jeff NH6IL
>

Bob
NA4G

From ab4el.com Tue Aug 30 00:00:00 1994
From: Robert Cutter <bcutter@csn.org>
Subject: Colorado 14'er Event

The Colorado 14'er event last Sunday was a great time.

With a very early start Phil, WOKEA and I made it to the top of Mt. Lincoln in time for the 9AM start. However snow, sleet, rain , wind and cold took us off the top at 10:30 without any HF QRP operation.

My best DX on 450 was Uncompahgre Peak at 117 miles, one watt and a 5 element Quagi.

The event is the last Sunday in August and is great fun. An early count shows 15 active peaks this year, down from the previous years due to very poor weather.

72, Bob KI0G

From ab4el.com Tue Aug 30 00:00:00 1994

From: rdkeys@csemail.cropsci.ncsu.edu (R. D. Keys)
Subject: Re:Random Wire Tuner,etc

>
> Several days ago in the thread, the efficacy of using an older tube rig with
> a pi-network was mentioned. The idea being that those rigs could easily feed
> a random length wire antenna by virtue of the wide adjustment range of the
> output pi network. Yes.... but.

Older rigs of commercial manufacture almost always had the bandswitch or
band markings somewhere on the pi-network tanks so that the mistuning should
not be a problem. OLD OLD pre-1950 commercial designs may or may not have
such markings. Some very inexpensive commercial novice rigs of the 50's
and 60's may or may not have such markings.

>
> The wide adjustment range can potentially get you into trouble, particularly
> if you just tune for maximum reading on an untuned field strength meter. Back
> in my novice days (WV2MES - what a call sign!), I had a great rig built from
> the RAH that used two 1614's in parallel for the final, and it had the usual
> pi net output.

Most home built rigs will easily tune to the second harmonic with a
fundamental coil, so care does need to be taken with homebrew rigs and
pi-net plate tanks or standard plate tank circuits (usually link coupled).

>
> I bought an 80 meter novice crystal at the local Almo Radio and proceeded to
> tune up into a wire about 70 feet long. The field strength on my untuned field
> strength meter was easy to peak. I listened on the band for a CQ that wasn't
> too fast and nervously replied -- no luck.

On a home built rig, I can easily see how this could happen, especially
with a newbie (but we all did that kind of thing back then).

>
> For the next week or so, I called other stations and CQ until my keying hand
> was numb, with only a marginal contact with someone less than 5 miles away.
> Then the "QSLs" started rolling in! I got 00 notices from all over the east
> coast and even a dreaded FCC pink slip from California. They all heard me
> transmitting on 7400 KHz, the out-of-band second harmonic of where I wanted to
> be.

>
> A local Elmer guided me toward a Lafayette Radio store and suggested I buy one
> of their tuned field strength meters. When I did, making sure that the
> strongest signal was on 80 meters, things worked out much better - I worked
> lots of stuff on 80 and got no more wallpaper for my spurious output.

>

> The moral of the story is, if you use a rig that has a wide range output
> tuning network to feed a non-resonant antenna, make sure that you are "putting
> out" where you want to be.

YES YES YES YES YES

>
> Just my tube sense...

Commendable sense Joe, and too often forgotten by the modern folks.....

>
> Joe E. N2CX
>
> Be a power resister - just say no to QRO!
>

Tuned field strength meters are the best way to go with older rigs that are not clearly marked or that have the capability for easy 2nd harmonic tuning. On modern rigs with bandpass output, that is not much of a problem anymore.

But, on all homebrew rigs (unless clearly marked and properly designed kits that won't 2nd harmonic you to pieces), take care to use a good digital frequency meter (good for picking up the output frequency of the antenna) AND a good tuned field strength meter (or tuned monitor --- all hams use monitors with older gear, right ----- ?????).

These tuned field strength meters often show up at hamfests, for good prices, because folks don't know what they are or how to use them. That can make them the bargain of the day.....

73
Bob
NA4G

From ab4el.com Tue Aug 30 00:00:00 1994
From: "Kevin Anderson" <GGANDERSON@Augustana.edu>
Subject: Re: The List

Jeff Herman wrote:

> If we're losing our host, think.com, then maybe it's time to discuss

> our list becoming rec.radio.amateur.qrp - possibly with a moderator
> if things get noisy.

Jeff,

In case you end up being the one counting the votes, I would vote NO to rec.radio.amateur.qrp. Not because I'm worried about it not being friendly, but because I will shortly switch jobs, and as such will lose my ability to read Usenet unless it is cross-posted to e-mail. More people have e-mail access than Usenet reading/posting capability.

More importantly, another down side of Usenet is the inability on most systems to archive messages in case one is on vacation. All messages posted to Usenet have a valid period (after which they expire), which is set by the administer of the Usenet connection on the system you use. Similarly, many Usenet systems will only hold/archive received messages for a relatively brief period, unless again you have a good/nice system administrator. These are often short periods given the huge volume that most Usenet installations are dealing with thousands of lists. E-mail, on the other hand, will wait for you to read it (unless you have a limited queue space on your computer/mail server)!

If someone would be able to crossover between Usenet and a mailing system by an automatic procedure (currently done with many rec.radio.amateur lists), then that would be fine.

At least by using a "listserver" mailer, such as Listserv and MajorDomo (as we are), it is easy for people to come and go from the list, just like if they were on Usenet and basically be anonymous if they chose and not burden a list manager.

Sorry to go so long, but I wanted to make sure people know the limits. Now back to discussing antenna tuners, phasing networks, milliwatt distance achievements, I-net radio, etc.....

72/73 de Kevin, KB9IUA

Kevin L. Anderson, Geography Dept., Augustana College
Rock Island, Illinois 61201 USA phone: (309) 794-7325
e-mail: gganderson@augustana.edu or kla@helios.augustana.edu

From ab4e1.com Tue Aug 30 00:00:00 1994
From: "John A. Evans" <jaevans@clark.net>
Subject: Re: Colorado 14'er Event

On Tue, 30 Aug 1994, Robert Cutter wrote:

> The Colorado 14'er event last Sunday was a great time.
>
>
> The event is the last Sunday in August and is great fun. An early count
> shows 15 active peaks this year, down from the previous years due to very
> poor weather.
>
> 72, Bob KI0G
>

Wasn't this the same weekend as the Pikes Peak Marathon and Ascent? If
so, how did the participants fare on Barr Trail or did they take the easy
way out and drive up &^).

72
john

John A. Evans, Capt, USAF
VHDL/EDA Engineer
N3Q00 Tech Plus !!!

"My number one goal as a
runner is to live long enough
to place in my age group!!!"

jaevans@clark.net

Mother's Breast Milk - Baby's drug of choice !!

From ab4e1.com Tue Aug 30 00:00:00 1994
From: KELL@LARK.JSC.NASA.GOV
Subject: Re: Random Wire Tuner, & etc

From ab4e1.com Tue Aug 30 00:00:00 1994
From: "John F. Woods" <jfw@ksr.com>
Subject: Re: Random Wire Tuner, & etc

> I may be in this boat. For the benefit of those (like me) that would not know
> a "tuned field strength meter" if it came up and barked at us, what do these
> things look like?

Well, I've never seen one in person, but you pretty much have to figure it will have a meter, a capacitor dial, a switch dial, and a whip antenna.

Much to my annoyance, the 1984 Handbook doesn't include a tuned field strength meter (or any field strength meter), but you can make one by taking the absorption frequency-meter circuit in the "Test Equipment and Measurements" chapter and sticking a whip antenna on the tank circuit. (You might want to use an op-amp as an amplifier to make really sensitive measurements.)

> As a not so academic question, would the "Super TEE" ATU be a unit that would
> lend itself to tuning up on the wrong frequency??

If the capacitors have more than a 4:1 tuning range, sure.

From ab4el.com Tue Aug 30 00:00:00 1994
From: nobody@Kodak.COM
Subject: QRP SSB QSO

Date: 08/30/94 13:09:33
To: qrp@think.com

>From: Paul Mackanos, Capital Management 1/23/KP 24301, (x13966)
Subject: QRP SSB QSO

Wow, had a GREAT QRPP QSO with Gary, N2JGU last night. Gary was using a homebrew, 1/2 watt SSB xcvr. We got on 3755 (yes u cw fans, thats SSB freq. Gary had a great signal, great audio, etc.

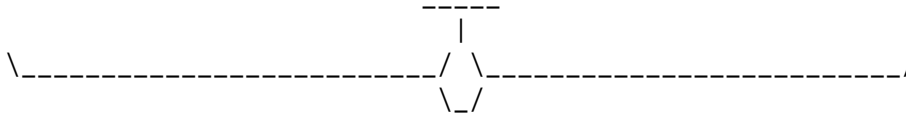
Maybe if we prompt him, we can all get the info, and build up one of these neat little SSB rigs.

Also this is a test to see if this made it to the qrp group. Please let me know if it did. de Paul, K2DB internet address: kp26.594646@kodako.kodak.com

72

Paul

From ab4el.com Tue Aug 30 00:00:00 1994
From: "DONALD A. COLEMAN (EXT. 2850)" <DACOLEMAN@fair1.fairfield.edu>
Subject: Re: The List



From ab4el.com Tue Aug 30 00:00:00 1994
From: Stephen Trier <sct@po.cwru.edu>
Subject: Re:Random Wire Tuner,etc

R.D. Keys writes:

> But, on all homebrew rigs ... take care to use a good digital frequency
> meter....

Speaking of which, does anyone have opinions on the way to go here? I got one recommendation that homebrewing with the ICL7216 or ICL7226 chips was the best way to get a good little meter (and it's digital, so I know I can make it work! :-)) but it is a lot of extra work when I might be able to pick up a good ready-made counter somewhere else.

Stephen

- - -

Stephen Trier
sct@po.cwru.edu
KG8IH

With money in your pocket you are wise,
you are handsome, and you sing well, too.
- proverb

From ab4el.com Tue Aug 30 00:00:00 1994
From: prvalko <prvalko@vela.acs.oakland.edu>
Subject: Re:Random Wire Tuner,etc

On 31 Aug 1994, Stephen Trier wrote:

>

> Speaking of which, does anyone have opinions on the way to go here? I got
> one recommendation that homebrewing with the ICL7216 or ICL7226 chips was
> the best way to get a good little meter (and it's digital, so I know I can
> make it work! :-)) but it is a lot of extra work when I might be able to
> pick up a good ready-made counter somewhere else.

Steve,

Count me in on that! I'd like to add an LCD display to my NN1G but don't know where to start.

=paul= wb8zjl

From ab4el.com Tue Aug 30 00:00:00 1994
From: Adrian Weiss WORSP English Department <AWEISS@charlie.usd.edu>
Subject: RE: The List

Jeff:

I don't know much about the setup but I know that I want this QRP-net to continue. I'm for anything that will achieve that objective.

73, Ade

From ab4el.com Tue Aug 30 00:00:00 1994
From: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org (Mike Czuhajewski)
Subject: Re The List

I'm not experienced enough at this yet to vote one way or another, not knowing which is the "best". For what it's worth, though, QRP is no longer a lunatic fringe and has a fairly large following and may well have enough interest for the Powers That Be to grant it Usenet status. As for the archives, I am not that enthused--I've been downloading them for a while and the vast majority seem to be in a specific word processor format (Word Perfect 4.2, as I recall), and that does no good for someone who can't decode that format. Fortunately, the computers at work have Word Perfect 6-point-something, and will decode earlier WP formats, and then I can save them to disk as ASCII. Well, almost--I have to save them to disk as WP format, in small enough chunks (typically 20-30 pages) that my system at home won't choke on them, then read those back in from disk one at a time and resave as ASCII files. (The WP will not allow blocks to be saved directly as ASCII, as far as I can tell.) None of this is fun. Having archives in the much-more-universal ASCII format would be most helpful. 73 and Queue Our Pea...

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Mike Czuhajewski, user of the UniBoard System @ wb3ffv.ampr.org
E-Mail: Mike.Czuhajewski@hambbs.wb3ffv.ampr.org
The WB3FFV Amateur Radio BBS - Located in Baltimore, Maryland USA
Supporting the Amateur Radio Hobby, and TCP/IP InterNetworking
